

Station Name: Blackmount Raws (BMT)

Period: 1993-11-04 - 2021-07-02

Length of record: 27 years

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Temperature, degrees Celsius														
mean	16.9	16.9	14.9	12.1	9.4	6.4	5.7	7.5	9.8	11.7	13.3	15.7	11.7	14.5
median	16.9	16.9	14.8	12.1	9.4	6.2	5.6	7.6	9.9	11.9	13.3	15.5	11.6	14.3
max	28.2	29.6	24.7	21.1	17.8	16.1	15.1	15.4	21.7	22.1	24.6	26.8	29.6	29.6
min	5.9	7.5	5.1	1.6	0.3	-2	-3	-1.7	-0.6	0.1	0	3.2	-3	0
Relative Humidity, %														
mean	63.1	64.9	67.9	72.5	78.5	82.7	81.7	76.6	69.7	64.7	63.4	62.7	70.7	65.6
median	61	62	66	71	79	84	83	77	69	62	61	60.3	70	64
max	100	100	100	100	100	100	100	100	99	100	100	100	100	100
min	23	26	30	43.2	36	43.4	30.9	29.7	14.1	22	27	21	14.1	21
Wind Speed, km/h														
mean	25.7	23.3	23.5	23.7	23.9	19.9	20	21.5	25	26.3	26.6	24.9	23.7	24.9
median	22.4	19.7	20.5	20.7	20.5	16.6	16.9	17.6	22	24.7	24	22	20.5	22
max	75.2	72.4	72.7	78.1	68	61.6	75.4	81	103.2	89.6	71.1	70.1	103.2	89.6
min	0	1.7	0	0	0	0	0	0	0	0	0	0	0	0
24-hr Rainfall, millimeters														
mean	3.2	3.3	3	3.4	4.5	3.3	3.3	3.1	3.8	3.9	3.3	3.4	3.4	3.4
median	0	0	0	0	0.2	0.2	0.2	0	0.2	0.2	0.2	0	0.2	0
max	96.2	59.8	97.8	64.2	88.4	60.2	53.8	72.4	74.2	91.6	55	70.6	97.8	97.8
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Rainfall, millimetres														
mean	96.9	92.5	95.5	104.3	135.9	96.6	101.4	96.3	112.8	119.7	99.6	104.2	104.6	101.8
max	251	173.2	246.6	341.4	437.4	170.8	197.2	207.4	276.8	244	189	215	437.4	341.4
min	30.2	11.6	18.2	47.4	51.8	30.4	27.8	19.6	7.2	12.6	27.8	17.8	7.2	11.6
Seasonal Rainfall, millimetres														
mean													1255.8	710.2
max													1800.2	1005.6
min													868.6	481.8
Fine Fuel Moisture Code, FFMC														
mean	72.8	72.3	69.5	64.1	55.2	48.9	51.8	58.6	63.2	65.8	69.1	70.9	63.5	69.2
median	81.8	81.5	78.6	72.7	60.5	50.2	54.6	64.6	70.8	72.7	76.9	79	71.3	78.1
max	93.1	92.5	90.5	87.4	86.3	84.6	86	88.6	94.6	92.4	92.2	93	94.6	93.1
min	2	2	2.7	1.3	1.1	2.1	2.7	3.8	3.3	6.2	0.7	8.3	0.7	0.7
Duff Moisture Code, DMC														
mean	12.6	13.3	9.2	4.8	1.5	0.5	0.6	1.3	3.1	5	8	10.9	5.9	9.1
median	10.8	11.1	6.5	3.7	1	0.2	0.3	0.8	2.4	3.9	6.4	8.8	3.3	6.8
max	69.9	50.2	44.2	22.5	9.1	5.7	4.3	10.5	17.9	34.7	39.6	55.4	69.9	69.9
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Drought Code, DC														
mean	125.2	156.1	139.2	109.9	47.8	14.9	5.7	5.9	9.3	17.4	45.5	86.1	63.7	96.9
median	103.7	151.9	124.8	91.5	20.5	3	2.3	3.6	6.2	12.7	39.3	75.8	27.5	75.1
max	451.5	460.7	484.2	378.3	307.1	139.7	90.8	39.1	47.8	117	190.9	294.1	484.2	484.2
min	4.8	5	2.7	1.5	0	0	0	0	0	1	2.4	4.6	0	1
Initial Spread Index, ISI														
mean	7.7	6.6	5.5	4.2	2.8	1.6	1.7	2.4	4.2	5.3	6.1	6.5	4.5	6
median	3.8	3.3	2.6	1.9	1	0.4	0.6	1.2	1.7	2.5	3	3.4	1.8	2.9
max	56.8	47.7	38.4	31	25.7	20.4	22.1	23.8	55.5	68.5	58.4	66.3	68.5	68.5
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Buildup Index, BUI														
mean	19.2	20.7	14.8	7.9	2.4	0.8	0.8	1.6	3.4	5.7	10.6	15.8	8.7	13.5
median	16.6	18.1	10.8	6.3	1.5	0.4	0.4	1	2.5	4.3	8.9	13.4	4.5	10.2
max	87.4	78.1	64	32.5	15.1	8.6	5.9	10.7	17.9	39.8	47.1	70.4	87.4	87.4
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fire Weather Index, FWI														
mean	10.2	9.2	6.6	4	1.7	0.7	0.7	1.2	2.8	4.3	6.2	8.1	4.6	6.9
median	5.8	5.4	2.9	1	0.3	0.1	0.1	0.3	0.6	1.3	2.9	4.3	0.8	3.2
max	72.7	65.1	58.7	32	23.1	11.6	12.3	16	28.9	43.9	47.8	61.4	72.7	72.7
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily Severity Rating, DSR														
mean	3.1	2.6	1.6	0.7	0.2	0.1	0.1	0.1	0.5	0.8	1.4	2.2	1.1	1.8
median	0.6	0.5	0.2	0	0	0	0	0	0	0	0.2	0.4	0	0.2
max	53.6	44.2	36.7	12.5	7	2.1	2.3	3.7	10.5	22	25.5	39.8	53.6	53.6
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Severity Rating, MSR														
mean	98.1	74.1	51.4	21.2	7	1.6	1.9	3.4	13.9	25.2	42.5	68.6	34.1	54.5
max	298.7	180.4	154.7	72.9	21.1	7.6	6.8	8.6	37.7	78.9	103.6	199	298.7	298.7
min	27.5	8.2	8	5	0.2	0	0	0.1	1.3	3.3	10.8	7.8	0	3.3
Cumulative Daily Severity Rating, CDSR														
mean													409	378.1
max													667.9	696
min													203.3	162

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Forest Fire Danger Class (FFDC) Frequency														
Low														
mean	14.9	13.7	20.8	24.9	30.1	30	31	31	28	26.3	20.7	17.6	288.9	138.7
max	26	24	31	29	31	30	31	31	30	31	28	28	317	165
min	4	3	8	16	26	29	31	30	20	12	10	4	245	105
Moderate														
mean	11	9.8	8	4.7	0.9	0	0	0	2	4.5	8	9.9	58.9	56.2
max	20	17	18	13	5	1	0	1	10	15	17	18	87	76
min	4	4	0	1	0	0	0	0	0	0	2	3	45	40
High														
mean	3	3.1	1.3	0.4	0	0	0	0	0	0.2	1.2	2.5	11.8	11.7
max	8	8	5	5	0	0	0	0	0	3	8	8	21	21
min	0	0	0	0	0	0	0	0	0	0	0	0	2	1
Very High														
mean	1.1	1	0.4	0	0	0	0	0	0	0.1	0.1	0.7	3.4	3.4
max	5	5	3	0	0	0	0	0	0	2	1	3	10	9
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Extreme														
mean	0.7	0.6	0.4	0	0	0	0	0	0	0	0	0.3	2	2
max	5	4	2	0	0	0	0	0	0	0	0	5	6	9
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Very Extreme														
mean	0.1	0	0.1	0	0	0	0	0	0	0	0	0	0.3	0.3
max	2	1	1	0	0	0	0	0	0	0	0	0	2	2
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grass Fire Danger Class (GFDC) Frequency														
Curing source Southland (Coastal Southland)														
Curing%	60	60	50	50	45	40	40	30	30	35	40	50		
Low														
mean	5.1	5.1	6.4	8.4	13.4	16.8	16.3	13	10.2	9.2	6.7	5.8	116.5	46.9
max	10	13	11	15	26	29	29	22	17	18	12	13	149	61
min	1	0	0	3	4	8	3	2	0	0	2	1	90	33
Moderate														
mean	16.7	16.2	16.7	15.6	13.9	12	13.3	16.4	15.9	15.4	15.8	16.3	184	112.6
max	22	21	23	25	23	20	23	29	24	21	23	22	213	128
min	9	12	9	10	4	1	2	9	10	11	10	13	154	95
High														
mean	6.4	5.1	5.6	5	3.3	1.2	1.4	1.7	3.6	5.7	5.7	5.8	50.6	39.5
max	11	10	13	11	9	5	5	6	10	9	10	12	66	54
min	2	1	3	1	0	0	0	0	0	2	2	4	33	28
Very High														
mean	2.8	1.7	2.2	1.1	0.3	0	0	0	0.2	0.6	1.8	2.9	13.7	12.7
max	9	6	7	4	1	0	0	0	1	2	5	7	25	24
min	0	0	0	0	0	0	0	0	0	0	0	0	5	4
Extreme														
mean	0	0	0.1	0	0	0	0	0	0	0	0	0.2	0.4	0.4
max	1	0	1	0	0	0	0	0	0	1	1	2	2	3
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Very Extreme														
mean	0	0	0	0	0	0	0	0	0	0	0	0	0	0
max	0	0	0	0	0	0	0	0	0	0	0	0	0	0
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scrub Fire Danger Class (SFDC) Frequency														
Low														
mean	6.2	5.8	7.9	10.3	15.4	18.3	17.9	13.8	10.8	10.3	8.1	7.7	132.3	56.4
max	11	14	13	18	29	30	30	22	20	19	15	13	166	74
min	1	1	1	4	5	8	5	2	0	0	2	2	98	44
Moderate														
mean	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1
max	1	0	1	0	0	0	0	0	0	0	1	0	1	1
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
High														
mean	1.6	1.7	2.8	2.6	2.3	2.9	3.4	3.5	2.6	2.3	2.1	1.6	29.4	14.7
max	6	6	6	5	5	12	14	9	7	5	6	5	51	21
min	0	0	0	0	0	0	0	0	0	0	0	0	20	9
Very High														
mean	2.5	2.6	3.1	3.3	2.7	2.9	3.4	3.7	3.5	2.3	2.7	2.6	35.3	19.4
max	5	6	6	12	7	9	12	15	11	6	5	6	49	30
min	0	0	1	0	0	0	0	0	0	0	0	0	22	11
Extreme														
mean	6	6.6	6.6	5.1	3.9	2.3	3	4.7	4.8	4.8	5.2	5.9	58.8	40
max	11	12	12	12	9	5	9	11	12	10	11	9	76	52
min	0	3	1	0	0	0	0	0	1	0	0	2	44	23

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Very Extreme														
mean	14.7	11.6	10.6	8.7	6.7	3.7	3.3	5.3	8.4	11.3	11.9	13.3	109.3	81.7
max	22	19	15	17	17	9	10	12	17	17	19	22	141	103
min	6	4	5	4	1	0	0	0	2	3	4	6	76	59